Exhibit Name: Premium Calculation
Exhibit Number: P11-2, Plan 04, 05, 06, 13 & 14
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2011
Version: DRAFT
Release Date: 8/12/2010

Insurance Plan Code	04 Group Risk Plan	06 Group Risk Income Protection with Harvest Revenue Option		14 Vegetation Index
	05 Group Risk Income Protection	13 Rainfall Index		
Commodity Code	0011 Wheat	0038 Sugarcane	0051 Grain Sorghum	0091 Barley
	0021 Cotton	0041 Corn	0081 Soybeans	1191 Apiculture
	0033 Forage Production		0088 Pasture, Rangeland, Forage	

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Liability Calculation						
Dollar Amount of Insurance = Maximum Protection Per Acre * Price Election Percent	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	Dollar Amount of Insurance for Group Risk Income Protection, "05" and Group Risk Income Protection with Harvest Revenue Option, "06" When Coverage Type Code equals Additional, "A" and Commodity Code is Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081", and Wheat, "0011".
	Maximum Protection Per Acre	ADM		99999.99	None	Edit with ADM Price, "A00810".
	Price Election Percent	ICE		9.9999	None	Edit with ICE Price Election Percent, "D00007".
Dollar Amount of Insurance = Maximum Protection Per Acre * 0.45	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	Dollar Amount of Insurance for Group Risk Plan, "04" when Coverage Type Code equals Catastrophic, "C" .
	Maximum Protection Per Acre	ADM		99999.99	None	Edit with ADM Price, "A00810".
Dollar Amount of Insurance = **Must be:** Greater than or equal to 60% Maximum Protection Per Acre **and** Less than or equal to 100% Maximum Protection Per Acre	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	Dollar Amount of Insurance for Group Risk Plan, "04" when Coverage Type Code equals Additional, "A" .
	Maximum Protection Per Acre	ADM		99999.99	None	Edit with ADM Price, "A00810".
Total Guarantee Amount = Dollar Amount of Insurance * Reported Acreage	Total Guarantee Amount	P11	96	99999999.99	Round to whole number.	
	Reported Acreage	P11	52	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	87	9999999999	Round to whole number.	
	Insured Share Percent	P11	48	9.999	None	

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 2: Total Premium, Subsidy, and Producer Premium Calculation						
Total Premium Amount = Liability Amount * Base Rate * Rate Differential Factor	Total Premium Amount	Internal		9999999999	Round to whole number.	
	Base Rate	ADM		9.9999	None	Edit with ADM Area Risk Rate, "A01005".
	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	86	9999999999	Round to whole number.	
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	89	9999999999	Round to whole number.	
Section 3: Average Landings, Apportionment Factor, Reported Pounds						
When Commodity Code is Oysters, "0115":						
Landings = Three Years of Reported Pounds accumulated	Landings	Internal		9999999999	Round to whole number.	Landings must equal the sum of 3 Years of Acreage, P11, Reported Pounds.
	Reported Pounds	P11	36	9999999999	None	
Average Landings = Landings / 3	Average Landings	Internal		9999999999	None	
Apportionment Factor = Average Landings / Average Index Value	Apportionment Factor	ADM		9.9999	Round to 4 decimals.	
	Average Index Value	ADM		99999999.9999	None	Edit with ADM Area Risk Rate, "A01005".
Adjusted Expected County Landings = Expected Index Value * Expected County Landing Adjustment Factor	Adjusted Expected County Landings	ADM		9999999999	Round to whole number .	
	Expected Index Value	ADM		99999999	None	Edit with ADM Area Risk Rate, "A01005".
	Expected County Landing Adjustment Factor	ADM		99.99	None	Edit with ADM Price, "A00810".
Contracted Pounds = Apportionment Factor * Adjusted Expected County Landings	Contracted Pounds	P11	36	9999999999	Round to whole number.	

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	0033 Forage Production		0088 Pasture, Rangeland, Forage	

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 4: Liability Calculation						
Dollar Amount of Insurance = GRP Price * Price Election Percent	Dollar Amount of Insurance	P11	98	99999999.99	Round to 2 decimals.	
	GRP Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
	Price Election Percent	ICE		9.9999	None	Edit with ICE Price Election Percent, "D00007". Price Election Percent must be greater than or equal to 0.6000 and less than or equal to 1.0000, when Coverage Type Code equals Additional "A". Price Election Percent must equal 0.4500, when Coverage Type Code equals Catastrophic "C".
Total Guarantee Amount = Dollar Amount of Insurance * Reported Pounds	Total Guarantee Amount	P11	96	99999999.99	Round to 2 decimals.	
	Reported Pounds	P11	36	9999999999	None	
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	87	9999999999	Round to whole number.	
	Insured Share Percent	P11	48	9.999	None	
Section 5: Total Premium, Subsidy, and Producer Premium Calculation						
Total Premium Amount = Liability Amount * (Base Premium Rate / 100)	Total Premium Amount	P11	88	9999999999	Round to whole number.	
	Base Premium Rate	P11	90	999999.99999999	None	
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	86	9999999999	Round to whole number.	
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	89	9999999999	Round to whole number.	

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 6: Liability Calculation						
When Commodity Code is Pasture, Rangeland and Forage, "0088" or Apiculture, "1191":						
Dollar Amount of Insurance = (County Base Value * Coverage Level Percent) * Price Election Percent	Dollar Amount of Insurance	Internal		9999999.99	Round to 2 decimals.	
	County Base Value	ADM		9999.99	None	Edit with ADM Price, "A00810".
	Coverage Level Percent	P14	33	9.9999	None	
	Price Election Percent	ICE		9.9999	None	Edit with ICE Price Election Percent, "D00007".
Total Guarantee Amount = Dollar Amount of Insurance * Reported Acreage or Reported Colonies	Total Guarantee Amount	P11	96	99999999.99	Round to ~~2 decimals~~ whole number.	
	Reported Acreage	P11	52	999999.99	None	
	Reported Colonies	P11	54	999999.99	None	Reported Colonies must equal the number of colonies, for Commodity Code equal Apiculture, "1191".
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	87	9999999999	Round to whole number.	
	Insured Share Percent	P11	48	9.999	None	
Section 7: Total Premium, Subsidy, and Producer Premium Calculation						
Total Premium Amount = Liability Amount * (Base Premium Rate / 100)	Total Premium Amount	P11	88	9999999999	Round to whole number.	
	Base Premium Rate	P11	90	999999.99999999	None	
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	86	9999999999	Round to whole number.	
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	89	9999999999	Round to whole number.	